SECTION VII - CERTIFICATION (Page 2)

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Signature
WKZF-FM, Inc.	
Date 9/23/96	Title VP, Production/Operations

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 72 hours 40 minutes to 347 hours 25 minutes with an average of 213 hours 32 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Information Resources Branch, Room 416, Paperwork Reduction Project, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C., 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

SECTION V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. ASB Referral Date Referred by

Name of Applicant

WKZF-FM, Inc.

Call letters *(if issued)*	Is this application being filed in response to a window? ☐ Yes ☒ No
WKZF	If Yes, specify closing date:

Purpose of Application: *(check appropriate box(es))*

- ☐ Construct a new (main) facility
- ☐ Modify existing construction permit for main facility
- ☒ Modify licensed main facility
- ☐ Construct a new auxiliary facility
- ☐ Modify existing construction permit for auxiliary facility
- ☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- ☒ Antenna supporting-structure height
- ☒ Antenna height above average terrain
- ☒ Antenna location
- ☐ Main Studio location
- ☒ Effective radiated power
- ☐ Frequency
- ☒ Class
- ☒ Other *(Summarize briefly)* Add directional antenna

File Number(s) BALH-940826GN

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
250	Bayboro	Pamlico	NC

Class *(check only one box below)*

☐ A ☐ B1 ☐ B ☒ C3
☐ C2 ☐ C1 ☐ C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.
Burton Farm Road (SR1120) 1.5 km southwest of NC Route 306
Arapahoe, Pamlico County, NC

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	35°	0'	2"	Longitude	76°	49'	58"

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☒ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both. WNBR (FM)

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude	° ' "	Longitude	° ' "

5. Has the FAA been notified of the proposed construction? ☐ Yes ☒ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No. n/a

Date n/a Office where filed

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	none		
(b)			

7. (a) Elevation: *(to the nearest meter)*

(1) of site above mean sea level: 9 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 152 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 161 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

(1) above ground 123 meters (H)

123 meters (V)

(2) above mean sea level [(a)(1) + (b)(1)] 132 meters (H)

132 meters (V)

(3) above average terrain 129 meters (H)

129 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No. Eng Exh F1

9. Effective Radiated Power:

(a) ERP in the horizontal plane 16 kw (H*) 16 kw (V*)

(b) Is beam tilt proposed? ☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No. n/a

n/a kw (H*) kw (V*)

*Polarization

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed? [X] Yes [ ] No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field. Exhibit No. Eng Exh

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)? [X] Yes [ ] No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service. Exhibit No. n/a

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal? [X] Yes [ ] No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125 Exhibit No. n/a

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207? [ ] Yes [X] No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply? [ ] Yes [X] No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers. Exhibit No. n/a

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose. Exhibit No. Eng Exh

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following: Exhibit No. Eng Exh

(1) Protected and interfering contours, in all directions (360°), for the proposed operation.

(2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.

(3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.

(4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.

(5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference? [X] Yes [ ] No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.) Exhibit No. Eng Exh

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V (D). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. Eng Exh F2

16. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. Eng Exh F3

Source: Digital Line Graph files

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 4,402 sq. km. Population 58,882

18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. n/a

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

☐ Linearly interpolated 30-second database ☐ 7.5 minute topographic map

(Source: _____)

☒ Other *(briefly summarize)*

Linearly Interpolated 3 sec data, Defense Mapping Agency

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*	127.	23.5	39.1
0	124.	23.2	38.7
45	129.	23.6	39.3
90	131.	23.9	39.6
135	131.	23.8	39.6
180	129.	23.7	39.4
225	128.	23.6	39.2
270	131.	18.1	31.2
315	128.	17.0	29.7

* Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT. 20

20. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No. n/a

If No, explain briefly why not.

Existing tower, no RFR hazard, categorically excluded

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name *(Typed or Printed)*	Relationship to Applicant *(e.g., Consulting Engineer)*
Timothy L. Warner, P.E.	Technical Consultant
Signature: Timothy L Warner	Address *(Include ZIP Code)*: 87 North Liberty Street Asheville, NC 28801
Date: 07/13/1996	Telephone No. *(Include Area Code)*: (704) 258-1238

WKZF

WKZF, Inc.

Bayboro, North Carolina

Engineering Exhibit

July 1996

Timothy L. Warner, Inc.
87 North Liberty Street
Asheville, North Carolina 28801
(704) 258-1238

WKZF

WKZF, Inc.

Bayboro, North Carolina

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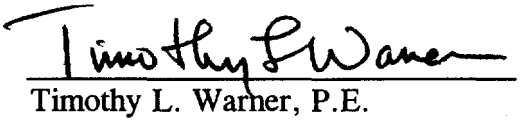
WKZF

WKZF, Inc.

Bayboro, North Carolina

Declaration

I declare, under penalty of perjury, that I am a technical consultant to broadcasting and other communications systems, that I have over twenty-five years of experience in the engineering of broadcast and other communications systems, that I am familiar with the Federal Communications Commission's Rules found in the Code of Federal Regulations Title 47, that I am a Professional Engineer registered in North Carolina, that I have prepared or supervised the preparation of the attached Engineering Exhibit for WKZF, Inc., and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.



Timothy L. Warner, P.E.
87 North Liberty Street
Asheville, North Carolina 28801
(704) 258-1238
13 July 1996

WKZF

WKZF, Inc.

Bayboro, North Carolina

Narrative

This exhibit is in support of a major modification application of WKZF, Inc. for modified facilities for FM station WKZF, Bayboro, North Carolina, File Number BALH-940826GN. The application proposes a major change. The purpose of this application is to construct new facilities for Class C3 operation as authorized in the Report and Order in Mass Media Docket 91-237, 7 FCC Rd 6305, effective November 12, 1992.

The facilities proposed herein are short spaced to WZBR, Kinston, North Carolina, which are protected under §73.215. A directional antenna is proposed which protects WZBR at class maximum facilities, as required.

Allocations

The facilities proposed herein are fully spaced with respect to all allocations except WZBR, Kinston, North Carolina. An allocations table is shown on page 8.

The facilities proposed utilize an existing tower to minimize environmental effects and to locate the station where it will serve greater population than would be possible at the fully spaced site proposed in Docket 91-237. A directional antenna is proposed which prevents the overlap of 60 dBu F(50,50) protected service contours with the 54 dBu F(50,10) interference contours for the proposed facilities and WZBR. An allocation study presented as Figure 4 shows the lack of prohibited overlap. Height above average terrain and distance to contours was computed at 5 degree horizontal increments using terrain data linearly interpolated from a 3 arc second terrain database from the Defense Mapping Agency.

Because this application proposes Channel 250, there is no I.F. relationship with FM or television stations.

Directional Antenna

A directional antenna is proposed. The antenna is a Jampro Antennas, Inc. JMPC-4 RFR DA circularly polarized half wave spaced FM antenna with four levels. Each radiator will consist of one driven circularly polarized radiating element with horizontal and vertical parasitic elements which will be determined during testing. A full scale section of the antenna and the antenna mounting structure, including all feed lines, conduits and other appurtenances, will be constructed and used to determine the final antenna configuration.

A relative field horizontal plane pattern is included in this exhibit as Figure 6. The pattern encompasses the horizontal and vertical polarization patterns. The maximum relative field of 1.000 represents the maximum effective radiated power proposed in this application. A tabulation of the relative field is included as Figure 5.

The antenna will be mounted to a tower as specified by the antenna manufacturer. The tower design will be incorporated by the antenna manufacturer in the design of the directional antenna. The antenna will not be mounted to a tower which includes a top mounted platform larger than the nominal cross-sectional area of the tower in the horizontal plane. No other antennas of any type will be mounted in the vertical aperture of the antenna. The antenna will be mounted so that all horizontal and vertical separations required by the antenna manufacturer will be maintained free and clear of all obstructions. The antenna will not be mounted on a standard broadcast antenna.

Environmental Considerations

The proposed site is the existing tower for WNBR, New Bern, North Carolina. There will be no increase in height. Therefore the FAA has not been notified of this construction.

The proposed site is not in an area described in §1.1307(a)(4); the facility will utilize an existing tower structure and will not change the surface features of the land: and there is no RFR hazard to humans at ground level or on roof level of the buildings in the vicinity when evaluated in accordance with OST-65. Therefore, the proposal is excluded from environmental processing under §1.1306.

The proposed facilities, when evaluated under worst case methods in OST-65, will create 0.07 mW/cm^2 at ground level, which is 7% of the maximum permitted 1.00 mW/cm^2. A 4-bay half wave spaced antenna is proposed, which will significantly reduce the downward radiation. The existing WNBR facilities, when evaluated under worst case methods in OST-65, create 0.04 mW/cm^2 at ground level which is 4% of the maximum permitted 1.00 mW/cm^2. WNBR uses a 4-bay antenna, which significantly reduces the downward radiation. The total predicted power density at ground level, under worst case assumptions, is 11% of the maximum permitted 1.00 mW/cm^2. The applicant will enter into a site use agreement with other users of the site to prevent excess exposure to maintenance workers on the tower. The agreement will include requirements that the users remove power from antennas when personnel are on the tower in the vicinity of the antenna to avoid exposing workers to non-ionizing radiation.

In response to Form 301 Question 14, the area around the transmitter site is primarily rural land. The only FM or television facility within 10 kilometers is the WNBR facility on the same tower. The half wave spaced antenna design, 123 meter height above ground, and relatively low power make it unlikely that significant blanketing problems will occur. However, should any problems develop, WKZF, Inc., will promptly discharge its obligation under §73.318. WKZF, Inc. will take any steps necessary to eliminate the

problem. Possible solutions to blanketing interference might include, but not be limited to. the installation of a filter in the antenna input of the offending receiver, additional filtering in the output of the proposed transmitter, and the installation of RF chokes in the speaker and power cables of the offending receiver.

In addition, there are other facilities authorized for the same site. Because of antenna design and the vertical separation between WKZF and WNBR, no intermodulation problems are anticipated. However, WKZF, Inc. will treat any reports which may be receiver-induced intermodulation interference as though they were blanketing interference reports and address them accordingly. Additional potential solutions include the filtering of any intermodulation products from the WKZF or other transmission systems.

Predicted Signal Contours: WKZF
Bayboro, North Carolina

Az (deg)	HAAT (m)	ERP (kW)	60 dBu F(50,50) (km)	70 dBu F(50,50) (km)	40 dBu F(50,10) (km)	54 dBu F(50,10) (km)	100 dBu F(50,10) (km)
0	124	16.00	38.7	23.2	108.4	59.4	4.0
5	126	16.00	38.9	23.3	108.7	59.7	4.0
10	126	16.00	39.0	23.4	108.8	59.8	4.0
15	127	16.00	39.0	23.5	108.9	59.9	4.0
20	127	16.00	39.1	23.5	109.0	59.9	4.0
25	127	16.00	39.1	23.5	109.0	60.0	4.0
30	128	16.00	39.2	23.5	109.1	60.0	4.1
35	128	16.00	39.2	23.6	109.1	60.1	4.1
40	128	16.00	39.3	23.6	109.2	60.1	4.1
45	129	16.00	39.3	23.6	109.3	60.2	4.1
50	129	16.00	39.3	23.6	109.3	60.2	4.1
55	129	16.00	39.4	23.7	109.4	60.3	4.1
60	130	16.00	39.4	23.7	109.4	60.3	4.1
65	130	16.00	39.5	23.7	109.5	60.4	4.1
70	130	16.00	39.5	23.8	109.5	60.4	4.1
75	131	16.00	39.6	23.8	109.6	60.5	4.1
80	130	16.00	39.5	23.8	109.5	60.4	4.1
85	131	16.00	39.6	23.8	109.6	60.5	4.1
90	131	16.00	39.6	23.9	109.7	60.6	4.1
95	131	16.00	39.6	23.9	109.7	60.6	4.1
100	131	16.00	39.6	23.8	109.7	60.5	4.1
105	131	16.00	39.6	23.9	109.7	60.6	4.1
110	131	16.00	39.7	23.9	109.7	60.6	4.1
115	131	16.00	39.6	23.9	109.7	60.6	4.1
120	131	16.00	39.6	23.8	109.6	60.5	4.1
125	131	16.00	39.6	23.8	109.6	60.5	4.1
130	131	16.00	39.6	23.8	109.6	60.5	4.1
135	131	16.00	39.6	23.8	109.6	60.5	4.1
140	130	16.00	39.5	23.7	109.5	60.4	4.1
145	130	16.00	39.5	23.8	109.5	60.4	4.1
150	131	16.00	39.6	23.8	109.6	60.5	4.1
155	131	16.00	39.6	23.8	109.6	60.5	4.1
160	130	16.00	39.5	23.8	109.5	60.4	4.1
165	129	16.00	39.4	23.7	109.3	60.2	4.1
170	127	16.00	39.1	23.5	109.0	60.0	4.0
175	128	16.00	39.2	23.6	109.1	60.1	4.1

Predicted Signal Contours: WKZF
Bayboro, North Carolina

Az (deg)	HAAT (m)	ERP (kW)	60 dBu F(50,50) (km)	70 dBu F(50,50) (km)	40 dBu F(50,10) (km)	54 dBu F(50,10) (km)	100 dBu F(50,10) (km)
180	129	16.00	39.4	23.7	109.3	60.2	4.1
185	130	16.00	39.4	23.7	109.4	60.3	4.1
190	130	16.00	39.5	23.7	109.5	60.4	4.1
195	130	16.00	39.4	23.7	109.4	60.3	4.1
200	128	16.00	39.2	23.6	109.2	60.1	4.1
205	128	16.00	39.2	23.5	109.1	60.0	4.1
210	128	16.00	39.2	23.6	109.1	60.0	4.1
215	129	16.00	39.4	23.7	109.3	60.2	4.1
220	128	16.00	39.2	23.6	109.1	60.0	4.1
225	128	16.00	39.2	23.6	109.2	60.1	4.1
230	129	16.00	39.3	23.6	109.3	60.2	4.1
235	128	16.00	39.2	23.5	109.1	60.0	4.1
240	127	16.00	39.1	23.5	109.0	60.0	4.0
245	127	14.44	38.3	22.9	107.0	58.8	3.9
250	128	12.96	37.5	22.4	105.1	57.7	3.8
255	129	10.50	35.9	21.3	101.2	55.3	3.6
260	130	8.29	34.2	20.1	97.0	52.6	3.4
265	130	6.76	32.7	19.1	93.7	50.3	3.2
270	131	5.38	31.2	18.1	90.2	47.9	3.0
275	131	4.49	30.0	17.3	87.5	45.8	2.8
280	130	3.69	28.7	16.4	84.5	43.5	2.6
285	131	3.53	28.5	16.2	83.9	43.1	2.6
290	131	3.39	28.3	16.0	83.4	42.7	2.6
295	131	3.39	28.2	16.0	83.3	42.7	2.6
300	130	3.39	28.2	16.0	83.2	42.6	2.6
305	129	3.53	28.3	16.1	83.6	42.9	2.6
310	128	3.69	28.5	16.2	84.1	43.1	2.6
315	128	4.49	29.7	17.0	87.0	45.3	2.8
320	127	5.38	30.9	17.8	89.7	47.3	2.9
325	127	6.76	32.4	18.9	93.3	49.9	3.1
330	126	8.29	33.9	19.9	96.5	52.1	3.3
335	126	10.50	35.5	21.0	100.7	54.8	3.6
340	125	12.96	37.1	22.1	104.6	57.2	3.8
345	125	14.44	37.9	22.7	106.6	58.4	3.9
350	124	16.00	38.6	23.2	108.4	59.4	4.0
355	122	16.00	38.3	23.0	108.0	59.0	4.0

Allocation Table
WKZF
Bayboro, North Carolina

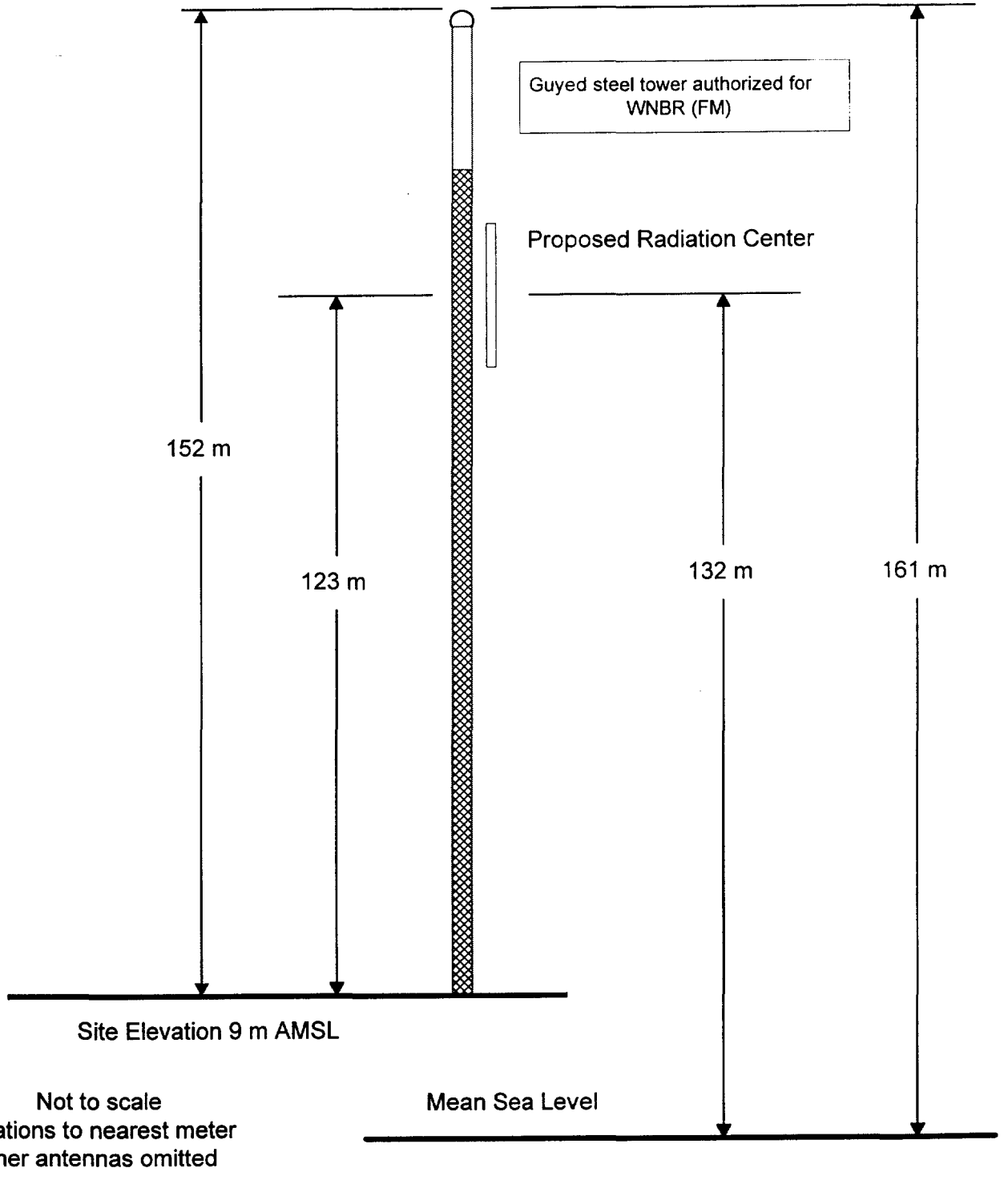
CH# 250C3 - 97.9 MHz
INTERFERENCE CHECKS WITH WKZF, BAYBORO, NC at N. LAT. 35 00 02 W. LNG. 76 49 58
PWR = 16 kW H.A.A.T. = 129 M C.O.R. = 132 M AMSL
Protected F(50-50) 60 dBu = 39.14 km

F(50-10)	40 dBu = 108.71	54 dBu = 59.66	80 dBu = 13.37	100 dBu = 4.01
F(50-10)	37 dBu = 124.27	51 dBu = 68.43	77 dBu = 15.71	97 dBu = 4.91
F(50-10)	34 dBu = 140.43	48 dBu = 78.29	74 dBu = 19.59	94 dBu = 5.89

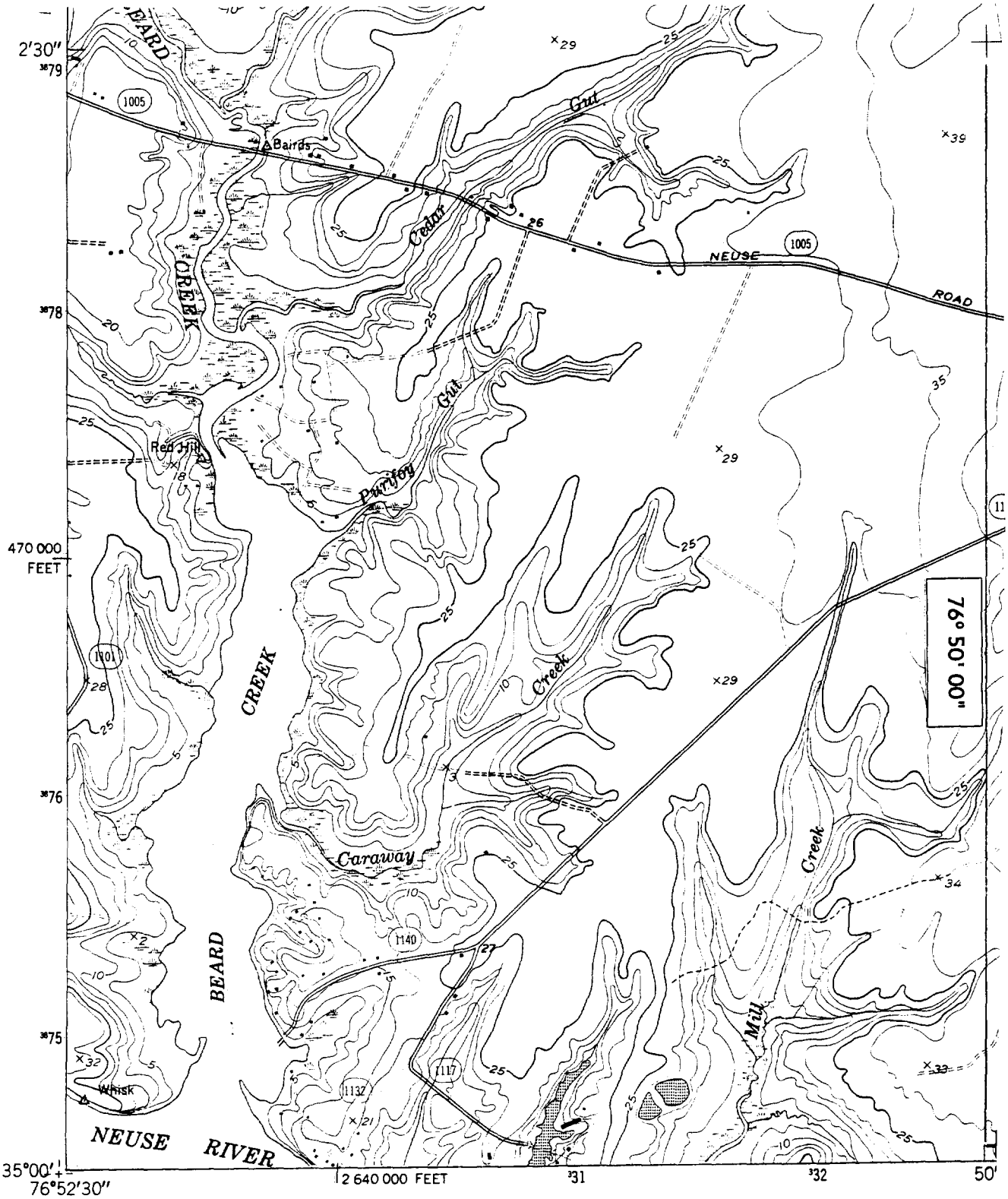
CH# CALL / CITY	TYPE / STATE	* IN * / LICENSEE	* OUT *	BEARING / <---	DISTANCE	LAT. / LNG.	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / FILE #
249A WZBR	LI	CN 89.0 R	-13.0 M	292.4	76.00 km	35 15 30	3.00	31.41	20.76
Kinston	NC	Ronald W. Benfield		112.4	47.22 Mi	77 36 19	76.0	97	BLH790607AA
249A WZBR *	LI	CN 3.0 km	4.3 km	292.4	76.00 km	35 15 30	6.00	44.88	29.31
Kinston	NC	Ronald W. Benfield		112.4	47.22 Mi	77 36 19	107.5*	121	BLH790607AA
> Reference HAAT at 292.4 degrees = 131.2 M, Pwr. = 3.3856 kW, Pro. Dist. = 28.15 km, Int. Dist. = 42.39 km									
249A WURB	LI	CN 89.0 R	30.2 M	353.8	119.18 km	36 04 06	3.00	34.20	22.77
Windsor	NC	Willis Broadcasting Corpor		173.8	74.06 Mi	76 58 35	91.0	104	BLH801107AH
250A WKZF	LI	CN 142.0 R	-126.9 M	345.1	15.09 km	35 07 55	2.75	75.04	23.93
Bayboro	NC	Carolina Community Broadca		165.1	9.38 Mi	76 52 32	104.0	110	BLH900406KC
FCC Comment > *To amend to channel 250C3 Per D91-237									
250C3 ALOPEN	AL	N 153.0 R	-132.8 M	64.1	20.25 km	35 04 47	25.00	113.52	38.53
Bayboro	NC	91-237		244.1	12.58 Mi	76 37 58	100.0	0	
FCC Comment > Site Restricted-Effective 11-12-92-RSVD For WKZF Per D91-237									
251C2 ALOPEN	AL	N 117.0 R	25.9 M	48.6	142.93 km	35 50 41	50.00	78.09	52.24
Manteo	NC	87-193	WO= 930	228.6	88.81 Mi	75 38 38	150.0	0	
FCC Comment > EFFECTIVE 871228- RSVD FOR WZZI PER D87-193									
252A WCZI	LI	CN 42.0 R	15.3 M	340.5	57.34 km	35 29 14	1.35	7.63	24.03
Washington	NC	New East Communications, I		160.5	35.63 Mi	77 02 42	149.0	159	BLH890227KF
252A WCZI.A	AP	CN 42.0 R	15.3 M	340.5	57.34 km	35 29 14	2.50	9.04	28.08
Washington	NC	New East Communications, I		160.5	35.63 Mi	77 02 42	152.0	159	BPH900817IC
FCC Comment > Dismissed 960318									
253C3 AD253	AD	43.0 R	36.7 M	80.5	79.73 km	35 06 54	25.00	3.99	38.53
Ocracoke	NC	FCC		260.5	49.54 Mi	75 58 12	100.0	0	RM8689
FCC Comment > Alternate Channel									

* Uses actual antenna radial HAAT and power toward reference, lack of prohibited overlap is shown in columns headed IN and OUT. All other facilities show required separation and margin in kilometers.

WKZF, Inc.
Bayboro, North Carolina
Vertical Sketch



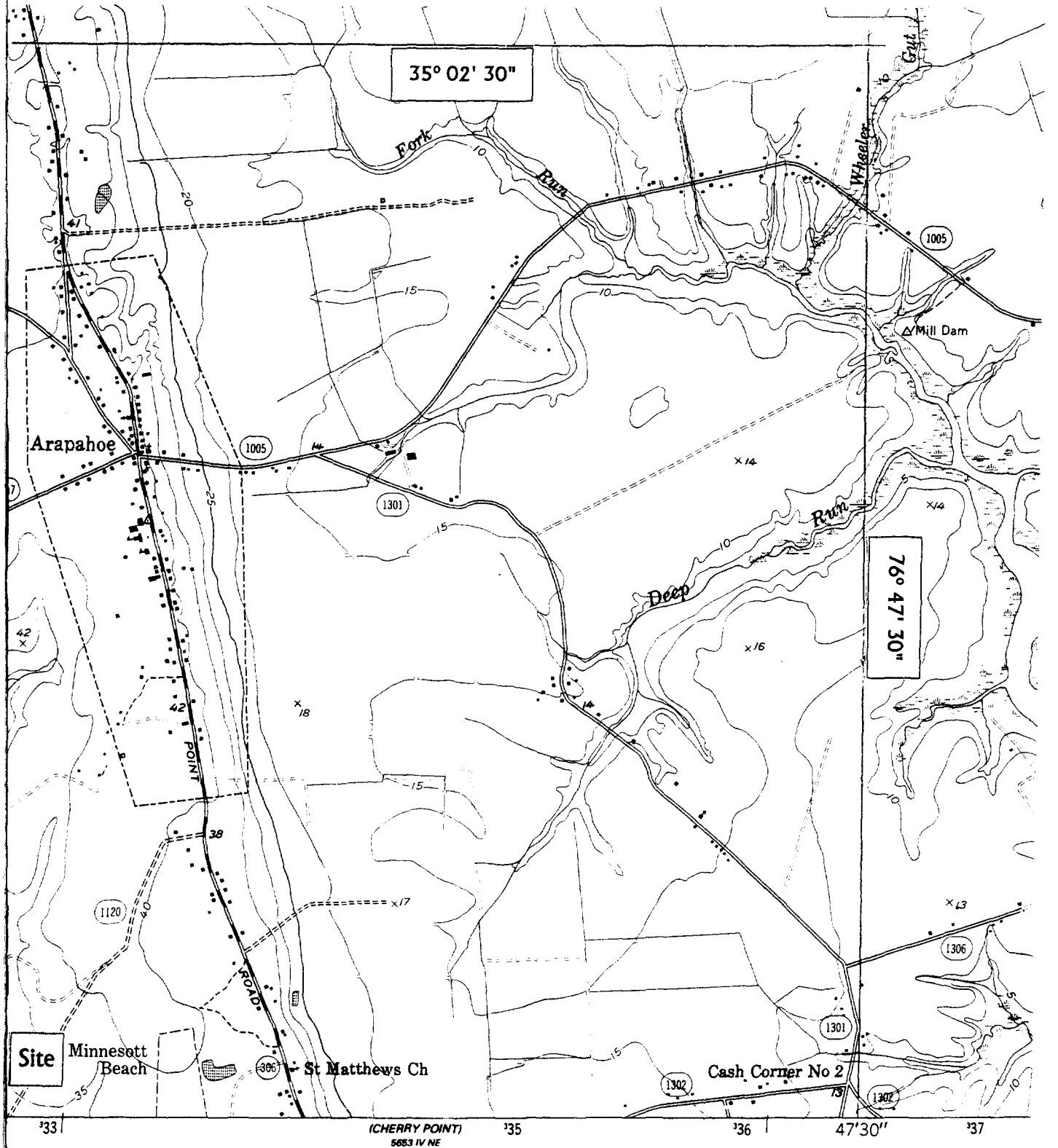
Not to scale
Elevations to nearest meter
Other antennas omitted



(HAVELOCK)
5663 IV NW

Mapped by the U.S. Coast and Geodetic Survey
Revised by the United States Geological Survey

Control by USGS and NOS/NOAA



SCALE 1:24 000

1 0 1 MILE

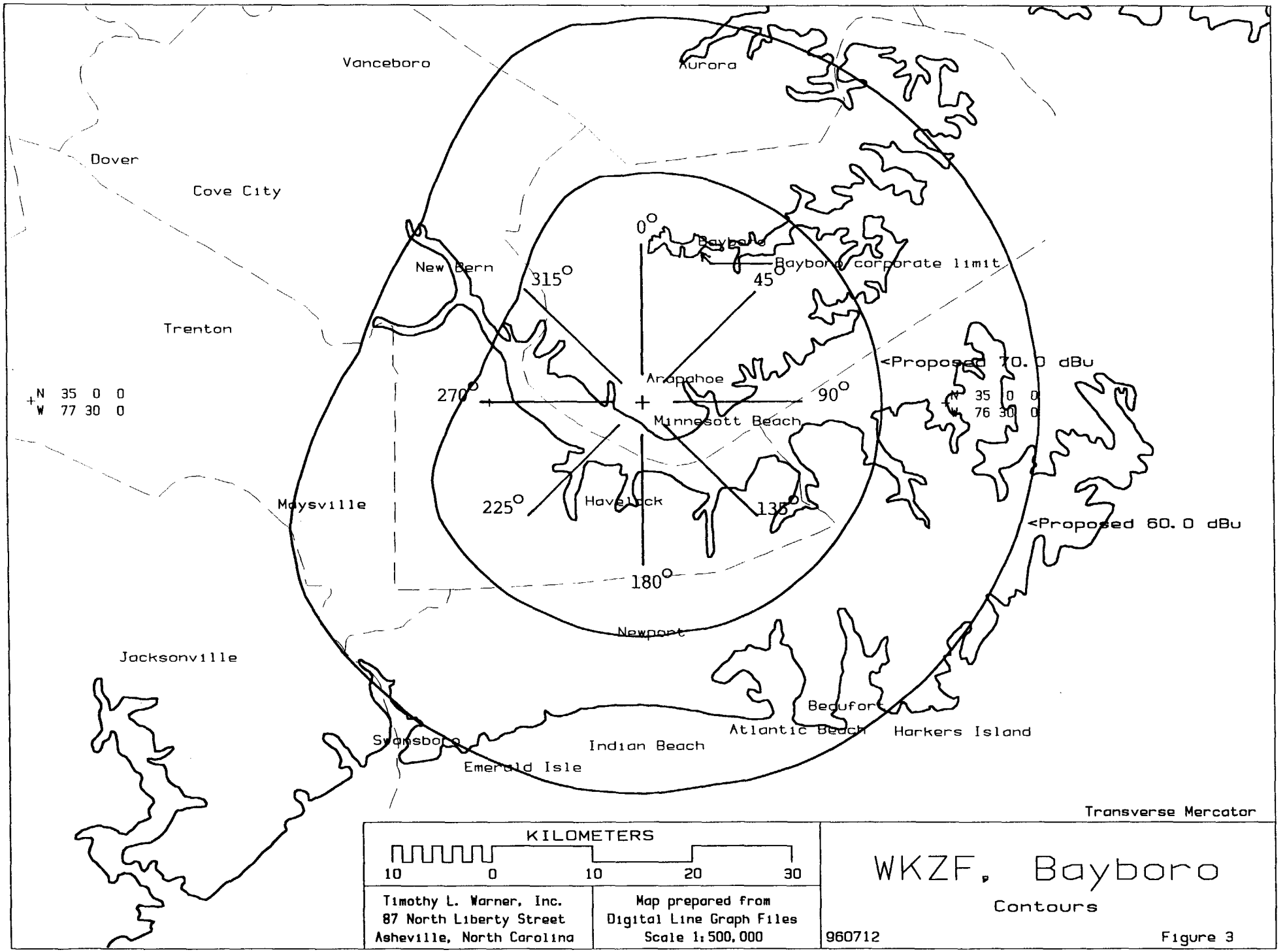
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

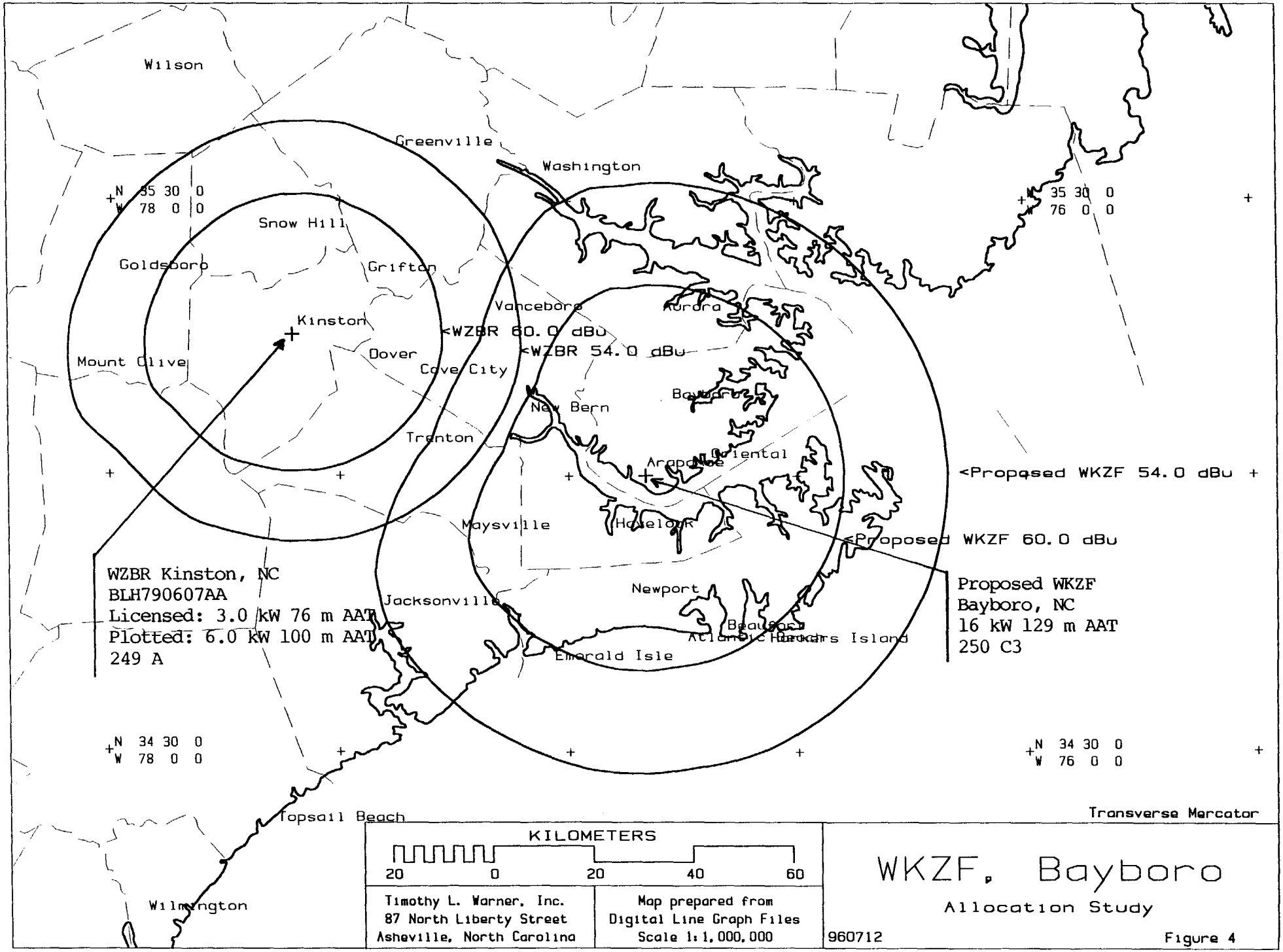
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ARAPAHOE, N. C.
35076-A7-TF-024

1950
REVISED 1993
DMA 5654 III SE-SERIES V842


Vanceboro
Aurora
Dover
Cove City
New Bern
Bayboro
Bayboro corporate limit
0°
45°
315°
Trenton
N 35 0 0
W 77 30 0
<Proposed 70.0 dBu
Arapahoe
270°
90°
N 35 0 0
W 76 30 0
Minnesott Beach
Maysville
225°
Havelock
135°
<Proposed 60.0 dBu
180°
Newport
Jacksonville
Beaufort
Atlantic Beach
Harkers Island
Swansboro
Indian Beach
Emerald Isle
Transverse Mercator
KILOMETERS
10 0 10 20 30
Timothy L. Warner, Inc.
87 North Liberty Street
Asheville, North Carolina
Map prepared from
Digital Line Graph Files
Scale 1:500,000
WKZF, Bayboro
Contours
960712
Figure 3


Wilson
Greenville
Washington
N 35 30 0
W 78 0 0
N 35 30 0
W 76 0 0
Snow Hill
Goldsboro
Grifton
Kinston
Vanceboro
Aurora
<WZBR 60.0 dBu
<WZBR 54.0 dBu
Mount Olive
Dover
Cove City
New Bern
Bayboro
Trenton
Oriental
Arapahoe
<Proposed WKZF 54.0 dBu
Maysville
Havelock
<Proposed WKZF 60.0 dBu
WZBR Kinston, NC
BLH790607AA
Licensed: 3.0 kW 76 m AAT
Plotted: 6.0 kW 100 m AAT
249 A
Proposed WKZF
Bayboro, NC
16 kW 129 m AAT
250 C3
Newport
Jacksonville
Beaufort
Atlantic
Harkers Island
Emerald Isle
N 34 30 0
W 78 0 0
N 34 30 0
W 76 0 0
Topsail Beach
Wilmington
Transverse Mercator
KILOMETERS
20 0 20 40 60
Timothy L. Warner, Inc.
87 North Liberty Street
Asheville, North Carolina
Map prepared from
Digital Line Graph Files
Scale 1:1,000,000
WKZF, Bayboro
Allocation Study
960712
Figure 4

WKZF, Inc.

WKZF

Bayboro, North Carolina

Directional Antenna Relative Field Horizontal Plane Tabulation

Azimuth (degs)	Rel Fld	Rel dB	dBk	ERP (kW)
0	1.000	0.00	12.04	16.00
10	1.000	0.00	12.04	16.00
20	1.000	0.00	12.04	16.00
30	1.000	0.00	12.04	16.00
40	1.000	0.00	12.04	16.00
50	1.000	0.00	12.04	16.00
60	1.000	0.00	12.04	16.00
70	1.000	0.00	12.04	16.00
80	1.000	0.00	12.04	16.00
90	1.000	0.00	12.04	16.00
100	1.000	0.00	12.04	16.00
110	1.000	0.00	12.04	16.00
120	1.000	0.00	12.04	16.00
130	1.000	0.00	12.04	16.00
140	1.000	0.00	12.04	16.00
150	1.000	0.00	12.04	16.00
160	1.000	0.00	12.04	16.00
170	1.000	0.00	12.04	16.00
180	1.000	0.00	12.04	16.00
190	1.000	0.00	12.04	16.00
200	1.000	0.00	12.04	16.00
210	1.000	0.00	12.04	16.00
220	1.000	0.00	12.04	16.00
230	1.000	0.00	12.04	16.00
240	1.000	0.00	12.04	16.00
250	0.900	-0.92	11.13	12.96
260	0.720	-2.85	9.19	8.29
270	0.580	-4.73	7.31	5.38
280	0.480	-6.38	5.67	3.69
290	0.460	-6.74	5.30	3.39
300	0.460	-6.74	5.30	3.39
310	0.480	-6.38	5.67	3.69
320	0.580	-4.73	7.31	5.38
330	0.720	-2.85	9.19	8.29
340	0.900	-0.92	11.13	12.96
350	1.000	0.00	12.04	16.00

WKZF, Inc.

WKZF

Bayboro, North Carolina

Directional Antenna Relative Field Horizontal Plane Plot

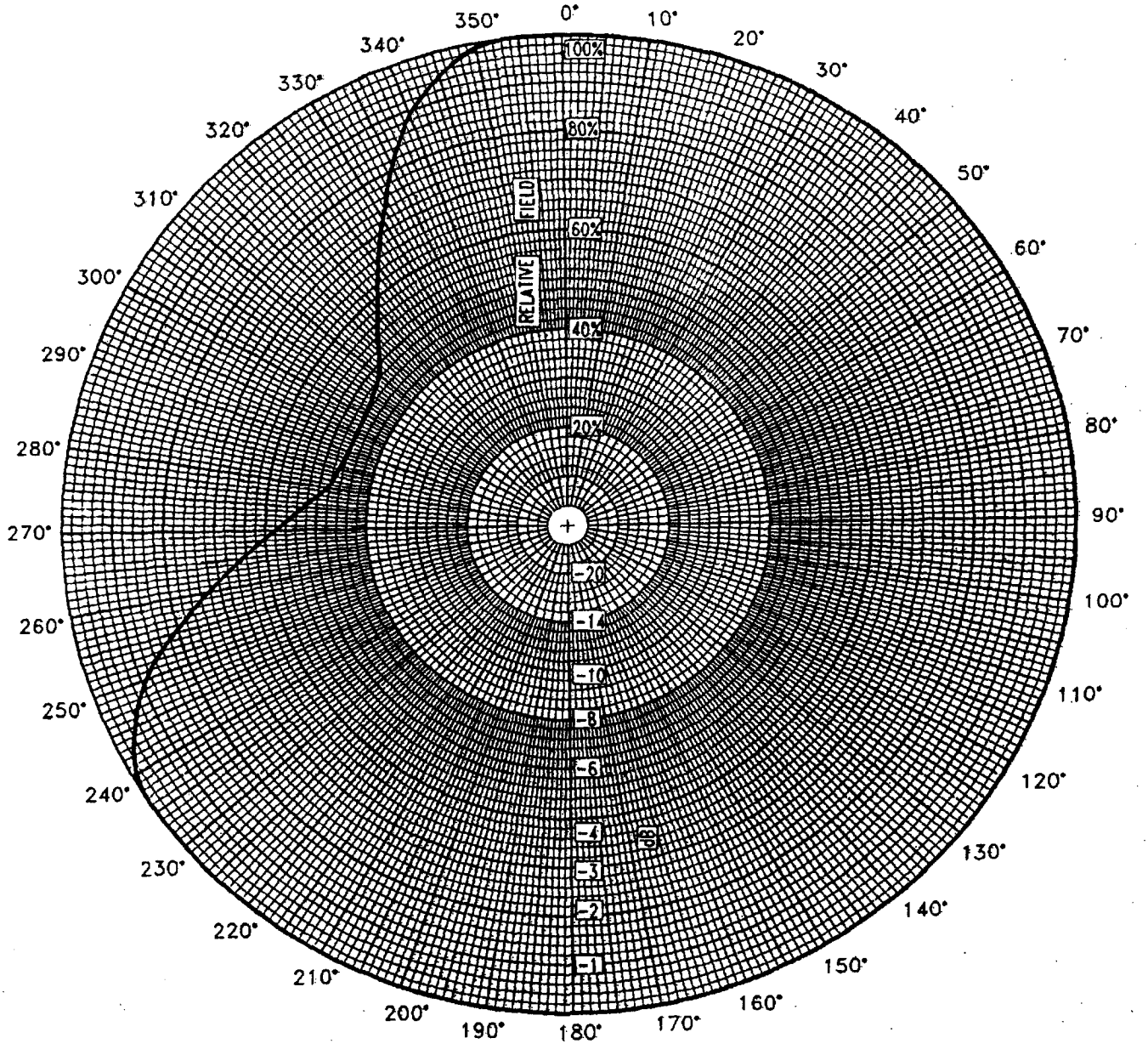


EXHIBIT 2

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET N.W.
WASHINGTON, D.C. 20554

News media information 202/418-0500 Recorded listing of releases and texts 202/418-2222.

DA 96-818
Released: May 22, 1996

PROCEDURES ANNOUNCED FOR EXPEDITED PROCESSING OF APPLICATIONS FILED BY SILENT BROADCAST STATIONS

The Mass Media and International Bureaus have established expedited processing procedures to assist silent broadcast stations who, pursuant to recent legislation, will lose their licenses if they remain silent for 12 consecutive months and who need the Commission's grant of an application in order to resume operations.

Effect of the Telecommunications Act of 1996

The Telecommunications Act of 1996 provides for the expiration of broadcast station licenses as a matter of law upon a station's failure to operate for 12 consecutive months. See Pub. L. No. 104-104, 110 Stat. 56, § 403(l) (1996). The license of any station that went silent on or before February 8, 1996, when the legislation was enacted, will expire on February 9, 1997 if the station has not resumed operations during the year. See Order, Silent Station Authorizations, FCC No. 96-218 (released May 17, 1996). Likewise, the license of any station that goes silent after February 8, 1996 will expire one year from whatever date silent status commenced if the station does not resume operations during the year. Id. A station's authorizations and pending applications will not toll or extend the 12-month period that triggers expiration.

Expedited Processing Procedures

The responsibility for bringing a silent station back on the air is that of the licensee. Nevertheless, recognizing that the new legislation creates a need for expedient action on applications that are required to return a silent station to the air, we have established the following procedures:

(1) With each application, the applicant should submit a transmittal letter prominently labelled "REQUEST TO EXPEDITE APPLICATION OF SILENT STATION." Each letter should include (a) the station's call sign, city and state; (b) the type of application; (c) a brief explanation of why action on the application is necessary to return to the air and the date that the station's license will expire if it remains off the air. A separate copy of the letter should also be sent or hand-delivered directly to the relevant address on the attached list. For applications already on file, a letter containing the same information should promptly be submitted to the relevant address on the list.

(2) Limited staff resources and mandatory public notice periods restrict speed of disposal rates for all types of applications. The staff needs no less than 45 days from the date of filing to act on unopposed assignment and transfer applications. It generally needs 4 months to act on unopposed minor modification applications. Deficiencies in either type of application slow processing considerably. Therefore, silent station applicants should submit any application required for the resumption of operations as early as possible and should use extreme care in preparing those applications to ensure prompt action. Early submission is especially important if the applicant anticipates objections or petitions against the application, or if the application requires a rule waiver.

(3) The applicant should notify the Commission promptly upon its return to the air. (see list)

The staff will use its best efforts to act on applications timely. However, the Telecommunications Act does not afford the Commission discretion to extend license terms. We therefore emphasize that, as a matter of law, the staff's inability to act on any application within a specific time can not prevent license expiration nor give rise to an